AEE/SWD/DHZ/SBR/02/17
Dt. 10/7/17

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Job Code Number: 012-18-000023

B.R. No.....
Date.....

No :1st & Final Date.....2018

Division **SWD-Dasarahalli**

Bill Received No. .....Date..... Cash Book Voucher No..... dated.....

Scheduled Docted No.

Name of Work (as per sanctioned estimate) **Construction of RCC culvert and U Shape drain for secondary SWD between Settyhalli and Chikkasandra village in Settyhalli Ward No:12**

Name of Contractor and Full Address: **M/s KVK Constructions, Prop: K Prakash Babu, No.33, Shanthi Nilaya, Opp. Mahalakshmi Hardware, 3rd Main road, Ashwathkatte Main road, Kasturba Nagara, Bangaluru-560026**

Reference to Agreement No. EE/SWD/DHZ/AGMT/08/2017-18 dated: 30/01/2018

Estimated Cost : Rs 1,00,00,000 **W.O. No. EE/SWD/DHZ/WO/ 08/2017-18 dated: 30/01/2018**

Certified that the measurement were taken by me on 16/5/17, 8/6/17, 26/7/17, 5/8/17 and recorded in pages 454 233 to 454241 of measurement Book No 4543/16-17 and that the work is satisfactorily executed.

Contractor

Officer-In-Charge of work

Certified that the measurements were taken by me on ..... And found correct.
the work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work

Sub Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within — Present - 823000-00
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in Balance
4) Deduct Payments:
   a) Amount of previous payment as in the office Cash Book Voucher No.....Dated .....S.D No..... — IT - 164700-00
   Amount adjusted towards cash advance recovery of — LWC - 82400-00
   b) Payments cost store or other materials supplied — CBF - 8300-00
   Now made recovery of amount creditable to this/other work — LR - 79800-00
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated..... less adjustments — Deductions - 335200-00
7) Net amount due to or from contractor — Net - 7897800-00
   Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied

Contractor's Signature

Received Rs.....(in words)

.....

by cash and by adjustment of Payment as per memorandum.

Witnesses:

1

2

Stamp

Dated..... Signature of Contractor

(For use in the Office)

Audited & Admitted for Rs 823000-00
Pay by cheques Rs. 7897800-00
By Adjustment Rs. 335200-00

Paid by me by cheque No.....dated.....
Cast Rs.....dated.....

11-7-18
Accts. Supdt.
SWD, BBMP

Executive Engineer
Exe. Engineer
SWD, BBMP

Initials of Officer making payment

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Name of Work: Construction of RCC culvert and U Shape drain for secondary SWD between Settyhalli and Kasandra village in Settyhalli Ward No:12

Sl No	Item of Work	Sch-B Qty	Unit	Previous Qty	Previous Cost	Present Measurement Qty	Rate	Cost	Total Up-to-date Qty	Total Up-to-date Cost
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar. MORTH Specification No. 202 KSRRB M200- 15.2. -do- B. Rubble stone masonry in cement mortar as directed by the Engineer in charge of the work.	7.20	Cum	-	-	0.00	200.00	0.00	0.00	0.00
2	KSRRB M200-21.2 Dismantling of Existing Structures like Culverts,Bridges,Retaining Walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding where ever necessary,sorting the dismantled material,disposal of unserviceable material and stacking the seviceable material with all lifts complete as per specifications. Removal of all types of hume pipes and stacking including earthwork and dismantliing of masonry works-B. Above 600 mm to 900 mm Dia as directed by the Engineer in charge of the work.	7.50	Rmt	-	-	7.50	190.00	1425.00	7.50	1425.00
3	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., complete (By Mechanical Means) with all lead and lifts for disposing off to designated site.	720.00 867.93	Cum	-	-	847.93	240.00	203502.00	847.93	203502.00
4	Diversion of water course by providing coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc... complete with all leads and lifts as directed by the Engineer in charge of the work.	87.57 87.15	Cum	-	-	87.15	240.00	20916.00	87.15	20916.00
5	Excavation in marshy soil upto 3m depth for foundation of structures as per drawing and technical specifications, removing the excavated stuf to a lead of 15m, including dewatering, shoring, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. V. Marshy Soil - B Mechanical means as directed by the Engineer in charge of the work.	349.68 341.40	Cum	-	-	341.40	90.00	30726.00	341.40	30726.00
6	KSRRB M2100-2.1 Earth work in excavation for foundation of structures such as culverts, bridges etc., as per drawing and technical specifications,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications in Ordinary soil - B. Machanical Means (i) Depth upto 3m MORTH Specification No. 304 as directed by the Engineer in charge of the work.	829.23 711.74	Cum	-	-	711.74	30.00	21352.20	711.74	21352.20
7	Providing and filling in foundation with Granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming,watering, including cost of all materials and labour with all lead and lift.complete as per specifications with all leads and lifts as directed by the Engineer in charge of the work.	271.51 261.67	Cum	-	-	261.67	1900.00	497173.00	261.67	497173.00
	Deductions									
	Royalty for metal 1 X 261.67 = 261.67									
	Royalty for fine aggregate 0.5 X 261.67 = 130.84									
8	KSRB 2.8 : Providing and Filling in foundation with granite I trap broken metal 100mm (available boulders obtained from dismantaling of masonary including charges for breaking into pieces) and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.specification. No. KBS with all leads and lifts as directed by the Engineer in charge of the work.	4.32	Cum	-	-	0.00	1100.00	0.00	0.00	0.00
9	KSRRB M2100-10 - Plain Cement Concrete M10 with OPC cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @0.84 Cum and fine aggregates @ 0.56Cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 with all leads and lifts as directed by the Engineer in charge of the work.	127.02 130.85	Cum	-	-	130.85	5800.00	758930.00	130.85	758930.00
	Deductions									
	Royalty for metal 0.84 X 130.85 = 109.91									
	Royalty for fine aggregate 0.56 X 130.85 = 73.28									
10	KSRRB M 2100-17.2 : Plain/reinforcement Cement Concrete design mix M25 with OPC cement @340 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70Cum and fine aggregates @0.47Cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, open foundation complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump. MORTH Specification No. 1500, 1700 & 2100 with all leads and lifts as directed by the Engineer in charge of the work.	225.75 228.37	Cum	-	-	228.37	6200.00	1415894.00	228.37	1415894.00
11	KSRRB M 2200-5.12 : Design mix M25 sub structure with OPC cement @340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7Cum and fine aggregates @0.47Cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height with all leads and lifts as directed by the Engineer in charge of the work.	235.17 215.27	Cum	-	-	215.27	7000.00	1506890.00	215.27	1506890.00
12	KSRRB M 2100-17.2 : Plain/reinforcement Cement Concrete design mix M35 with OPC cement @390 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.68Cum and fine aggregates @0.45Cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, open foundation complete as per Drawing and Technical Specification with BAtching plant, transit mixer and concrete pump. MORTH Specification No. 1500, 1700 & 2100 with all leads and lifts as directed by the Engineer in charge of the work.	9.98 10.12	Cum	-	-	10.12	6599.00	66781.88	10.12	66781.88
13	KSRRB M 2200-5.12 : Design mix M35 sub structure with OPC cement @390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68Cum and fine aggregates @0.45Cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height with all leads and lifts as directed by the Engineer in charge of the work.	10.80 11.50	Cum	-	-	11.50	7430.00	85445.00	11.50	85445.00

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Name of Work: Construction of RCC culvert and U Shape drain for secondary SWD between Settyhalli and Chikkasandra village in Settyhalli Ward No:12

Sl No	Item of Work	Sch-B Qty	Unit	Previous Qty	Previous Cost	Present Measurement Qty	Present Measurement Rate	Present Measurement Cost	Total Up-to-date Qty	Total Up-to-date Cost
14	KSRRB M2300-8.1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008. Case - II - Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700 with all leads and lifts as directed by the Engineer in charge of the work.	10.13	Cum							
	Upto 125%			-	-	12.66	7500.00	94950.00	12.66	94950.00
	> 125%			-	-	1.90	6105.02	11599.54	1.90	11599.54
15	Supplying,fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 with all leads and lifts as directed by the Engineer in charge of the work.	43.77	MT	-	-	40.93	48000.00	1964492.21	40.93	1964492.21
16	Supplying,fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 with all leads and lifts as directed by the Engineer in charge of the work.	1.11	MT	-	-	1.40	48000.00	67111.40	1.40	67111.40
17	PVC pipes 2.50kg/sqm 110mm outer dia as directed by the Engineer in charge of the work.	126.00	Rmt	-	-	17.10	170.00	2907.00	17.10	2907.00
18	KSRRB M2200.9. Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2 of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications with all lead and lifts, etc., after breaking of clods complete as per specifications and as per direction of Engineer in-charge.	189.00	Cum	-	-	60.36	900.00	54324.00	60.36	54324.00
19	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with all leads and lifts as directed by the Engineer in charge of the work.. including cost of all labour complete as per specifications,.	189.00	Cum	-	-	234.18	110.00	25759.80	234.18	25759.80
20	KSRRB M100-1 Collecting, Conveying and disposal of surplus/excavated earth including Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum to designated dumping site disposing off with all leads and lifts as directed by the Engineer in charge of the work.	1370.79	Cum	-	-	1674.39	90.00	150694.65	1674.39	150694.65
21	KSRB 4-1.5 : Providing and laying in position plain Cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1.4.2 with all leads and lifts as directed by the Engineer in charge of the work.	16.28	Cum	-	-	0.00	4900.00	0.00	0.00	0.00
22	Supplying and fixing MS. Rectangular poles made out of 2 equal angles of 65x65~6m m welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete)	402.00	Rmt	-	-	414.00	700.00	289800.00	414.00	289800.00
23	Providing and fixing MS block pipe of 38mm dia of heavy guage of 14 including removing the bends, cutting the pipes and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint	2010.00	Rmt	-	-	1995.00	232.00	462840.00	1995.00	462840.00
24	Providing chain link fencing 50 mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint.	1005.00	Sqm	-	-	997.50	510.00	508725.00	997.50	508725.00
25	Providing and fixing 50mm diameter and 750mm long perforated GI pressure relief pipe with one end closed by perforated GL plate and other end provided with alluminium lid hinged to pipe including cost of all materials,labour, drilling 8mm dia holes etc., complete with all leads and lifts as directed by the Engineer in charge of the work.	20.10	Nos	-	-	0.00	350.00	0.00	0.00	0.00
26	WRD: Providing and fixing 20mm thick 150mm depth tarfelt expasion joint filler board for cement concrete lining of canal including cost of all materils, labour etc, Complete with all leads and lifts as directed by the Engineer in charge of the work.	192.40	Rm	-	-	0.00	80.00	0.00	0.00	0.00
	Total							8242239		8242239

Royalty for
Item No 7, 9

8233.000/-

CERTIFICATE

1 Certified that the contractor done work satisfactorly and removed all debris from the work spot.
2 Certified that the contractor has carried out the work accordingly to specification and is satisfactory.
3 Certified that the above item of Work was not claimed in any other bill.

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